

9. Cleaning of metallic and non-metallic materials used in honeycomb cores during the manufacture or maintenance of these cores, and cleaning of the completed cores used in the manufacture of aerospace vehicles or components;
 10. Cleaning and cleaning solvent usage associated with research and development, quality control, and laboratory testing;
 11. Cleaning of aircraft transparencies, polycarbonate or glass substrates;
 12. Cleaning operations, using nonflammable liquids, conducted within five (5) feet of energized electrical systems. Energized electrical systems means AC or DC electrical circuit on an assembled aircraft once electrical power is connected, including interior passenger and cargo areas, wheel wells and tail sections; and
 13. Cleaning operations identified as essential uses under the Montreal Protocol for which the Administrator has allocated essential use allowances or exemptions in 40 CFR 82.4.
- (3) This rule is only applicable to actual manufacture and rework of production aerospace vehicles.

Record Keeping:

- (1) Each owner or operator of a new or existing cleaning operation shall record the information specified below:
 - (a) the name, vapor pressure, and documentation showing the organic HAP constituents of each cleaning solvent used for affected cleaning operations at the facility.
 - (b) For each cleaning solvent used in hand-wipe cleaning operations that complies with the composition requirements for semi-aqueous cleaning solvents used for flush cleaning operations:
 1. The name of each cleaning solvent used; and
 2. All data and calculations that demonstrate that the cleaning solvent complies with one of the composition requirements.
- (2) Annual records of the volume of each solvent used, as determined from facility purchase records or usage records.
- (3) For each cleaning solvent used in hand-wipe cleaning operations that does not comply with the composition requirements, but does comply with the vapor pressure requirement:
 - (a) The name of each cleaning solvent used;
 - (b) The composite vapor pressure of each cleaning solvent used;
 - (c) All vapor pressure test results, if appropriate, data and calculations used to determine the composite vapor pressure of each cleaning solvent; and
 - (d) The amount (in gallons) of each cleaning solvent used each month at each operation.
- (4) For each cleaning solvent used for exempt hand-wipe cleaning operations:
 - (a) The identity and amount (in gallons) of each cleaning solvent used each month at each operation; and
 - (b) A list of the exempt processes to which the cleaning operation applies.
- (5) Records of the random quarterly inspections will be maintained.

Monitoring:

- (1) The permittee will perform random quarterly inspections on the housekeeping measures.
 - (a) If a deviation is observed, the area will be inspected again within the next five (5) working days.
 - (b) If a second deviation is observed, the area will be inspected again within the next five (5) working days. This is the third (3rd) successive inspection as referenced in the Emissions Limitations section.

Reporting:

- (1) Each owner or operator of a cleaning operation shall submit the following information:

- (a) Semiannual reports occurring every six (6) months that identify:

1. Any instance where a non-compliant cleaning solvent is used for a nonexempt hand-wipe cleaning operation;
2. A list of any new cleaning solvents used for hand-wipe cleaning in the previous six (6) months and, as appropriate, their composite vapor pressure or notification that they comply with the composition requirements; and
3. If the operations have been in compliance for the semiannual period, a statement that the cleaning operations have been in compliance with the applicable standards.

II) State/Local Only Enforceable Requirements

Permit Condition EU0030-002

10 CSR 10-5.295

Control of Emissions From Aerospace Manufacture and Rework Facilities

Emission Limitations:

- (1) Housekeeping measures

- (a) Workers shall place cleaning solvent-laden cloth, paper, or any other absorbent applicators used for cleaning in aerospace production in closed containers (such as plastic bags, dome top cans or step cans with the lids down) before leaving their work area. Ensure that these bags and containers are kept closed at all times except when depositing or removing these materials from the container. Use bags and containers of such design so as to contain, as practicable, the vapors of the cleaning solvent. Cotton-tipped swabs or equivalent used for very small cleaning are exempt from this requirement.
- (b) Store fresh and spent cleaning solvents, except semi-aqueous solvent cleaners, used in aerospace cleaning operations in closed containers (such as flip-top or squirt bottles with small openings, safety cans or drums with closed bungs).
- (c) Conduct the handling and transfer of cleaning solvents to or from enclosed systems, vats, waste containers, and other cleaning operation equipment that hold or store fresh or spent cleaning solvents in such a manner that minimizes spills.
- (d) Activities not conforming to the above housekeeping measures are deemed in compliance if corrected within 24 hours, unless they are observed on three (3) successive inspections.